

ABSTRACT OF THE DISCLOSURE

5 A data traffic is monitored, and the current
traffic state is checked. If the traffic exceeds
a threshold a, the time interval of Inquiry Scan is
set to a maximum value X1 to prevent communication
performance from deteriorating due to Inquiry Scan.
Likewise, if the traffic falls in the range of the
threshold a to a threshold b, the time interval of
Inquiry Scan is set to an intermediate value X2.
10 If the traffic amount is equal to or less than the
threshold b, the time interval of Inquiry Scan is set
to a minimum value X3.